

New York State Department of Transportation

Yellow Flag NB2358W002

By: Alex Abreu

Flag Date: April 04, 2023

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: April 05, 2023 12:20:00 PM

Of: NYSDOT Region 11

Signature Information

Signature: Alex Abreu, P.E. 099761-1

Date: April 07, 2023

Reviewed By: Robert Kemp

Date: April 07, 2023

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 96			
	107 - Steel Open Girder/Beam	781	ft
	PR831 - Steel Beam End	34	each

Flagged Condition Description

This Yellow Flag No. NB2358W002 is NEW.

Location: Span 96, Girder G14 at Pier 96 above the left lane of 3rd Avenue EB roadway between 52nd and 53rd street.

Description:

The end of Girder G14 in Span 96 at Pier 96 exhibits 4-1/4" long vertical thru crack starting at the bottom of the girder web adjacent to the connection angle (Photos 4 and 5). The remaining girder web at the pier is in good condition. Also, both connection angles at the girder end are in good condition.

This is a newly flagged condition.

Notes:

1. Adjacent Girder G15 exhibits 20% overall section loss for the full height of the web for 3" wide along the connection angle.
2. Adjacent Girder G13 exhibits up to 1/4" overall section loss for the full height of the web along the connection angle.
3. A double lane closure in the left and center lanes on EB main roadway and 30ft bucket truck are required to access this location.
4. The previous 2021 Biennial Report did not have any documentation for the above girder location.

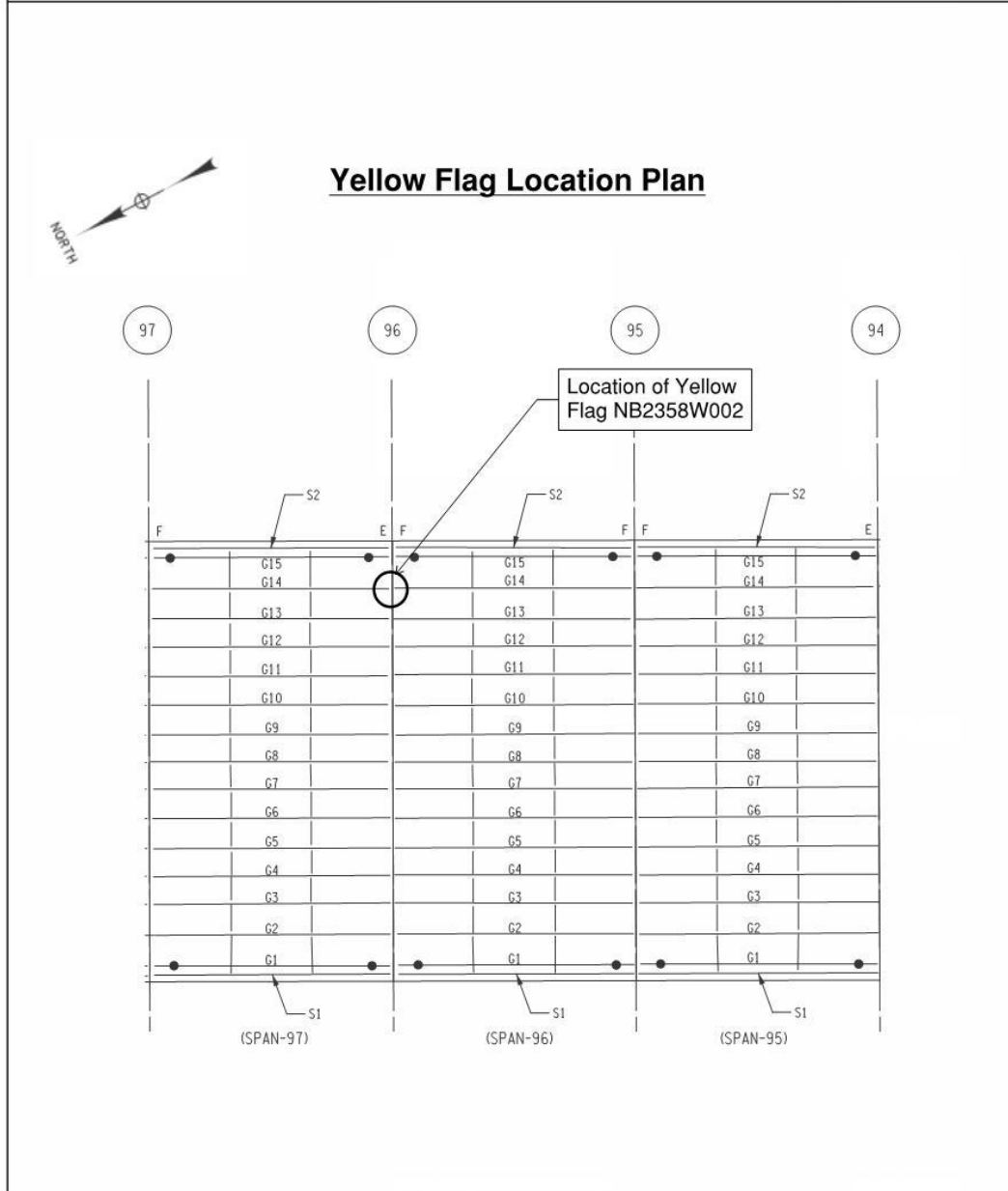
Flag PhotographsPhoto Number: **1**Photo Filename: **23_Flag Location Plan.jpg**Gowanus Expressway
2023 Biennial Inspection - Field SketchBIN: 1065318Team: AA/TSDate: 04/04/2023Span: 96Location: Girder G14 at Pier 96**Attachment Description: Yellow Flag Location Plan**

Photo Number: 2

Photo Filename: 23_Span 96_Pier 96_Girder G14_Connection Detail.

Gowanus Expressway
2023 Biennial Inspection - Field Sketch

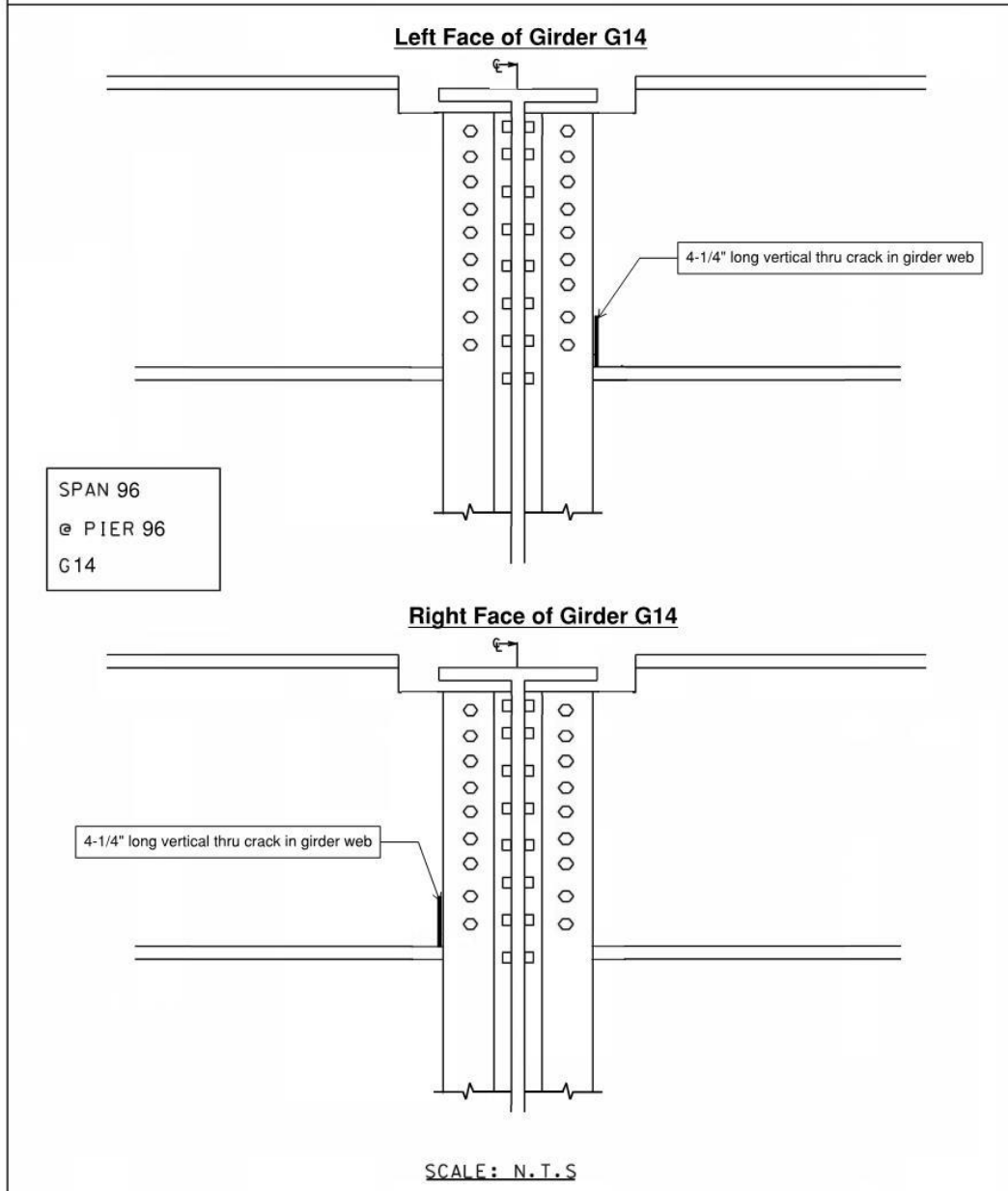
BIN: 1065318

Team: AA/TS

Date: 04/04/2023

Span: 96

Location: Girder G14 at Pier 96



wsp

Attachment Description: Yellow Flag Condition Sketch

Photo Number: 3

Photo Filename: 23_113_5806.JPG



Attachment Description: General view of the flagged condition at Girder G14 in Span 96 at Pier 96. Looking End.

Photo Number: 4

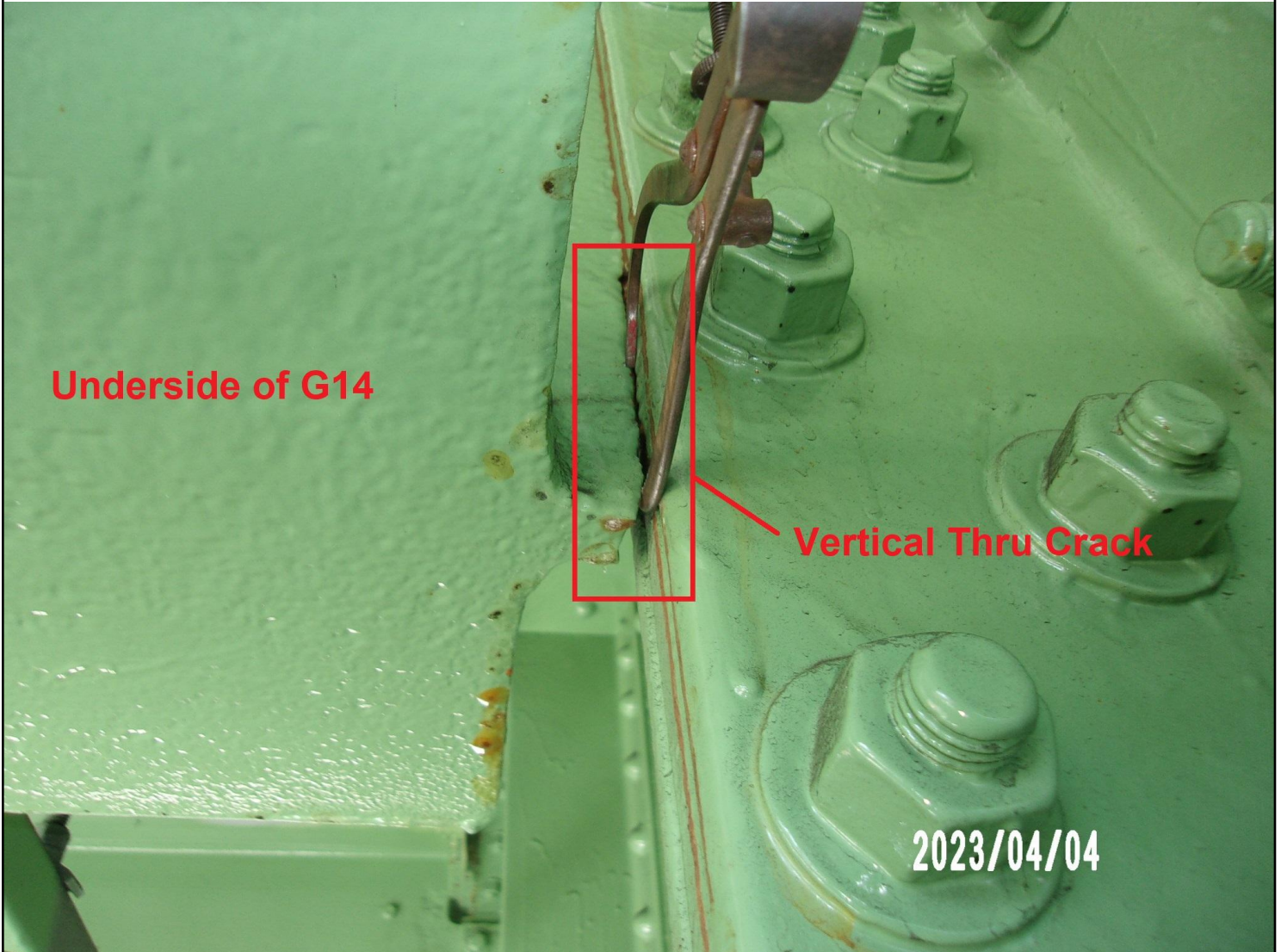
Photo Filename: 23_113_5796.JPG



Attachment Description: The right face of Girder G14 in Span 96 at Pier 96. The bottom of the girder web exhibits a 4-1/4" long vertical thru crack adjacent to the connection angle. Looking Left.

Photo Number: 5

Photo Filename: 23_113_5798.JPG



Attachment Description: The underside of Girder G14 in Span 96 at Pier 96. The bottom of the girder web exhibits a 4-1/4" long vertical thru crack adjacent to the connection angle. Looking Left.